

10/660,588

1449

Sheet 1 of 3

FORM PTO-1449  
(Rev. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEAtty. Docket No.  
13786Serial No. 10/660,588  
~~09/977,254~~**LIST OF PRIOR ART CITED BY APPLICANT**  
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APPLICANT Ozin et al.

FILING DATE  
10/16/2001GROUP  
~~4772~~ 1762

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
WPF	AA	4	7	2	8	5	9	1	03/01/88	Clark et al.			
	AB												
	AC												
	AD												

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
WPF	AE	1	0	8	1	5	1	3	08/21/00	EP			X	
WPF	AF	1	0	3	0	1	9	6	01/31/00	EO			X	
WPF	AG	0	0	1	0	0	4	0	08/11/99	WO			X	

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

WPF	AH		Gates, B. et al.: "Self-Assembly of Meso-and Nanoparticles into 3-D Ordered Arrays and Its Applications", Organic/Inorganic Hybrid Materials II, San Francisco, CA, April 5-9, 1999, Materials Research Society Symposium Proceedings, vol. 576, April 5, 1999, pgs. 149-154, XP-000897904.
WPF	AI		Aizenberg et al.: "Patterned Colloidal Deposition Controlled by Electrostatic and Capillary Forces", Physical Review Letters, vol. 84, no. 13, March 27, 2000, pgs. 2997-3000, XP-001074766.
WPF	AJ		Chen, et al.: "Selective Self Organization of Colloids on Patterned Polyelectrolyte Templates", Langmuir, vol. 16, 2000, pgs. 7825-7834, XP-001074759.
WPF	AK		Oleschuk et al.: "Trapping of Bead-Based Reagents within Microfluidic Systems", Anal. Chem., vol. 72, 2000, pgs. 585-590, XP-001074756.
WPF	AL		Kim et al.: "Two- and Three-Dimensional Crystallization of Polymeric Microspheres by Micromolding in Capillaries", Advanced Materials, VCH Verlagsgesellschaft, Weinheim, DE, vol. 8, no. 3, March 1, 1996, pgs. 245-247, XP-000558255.
WPF	AM		Chomski E. et al.: "Panoscopic Silicon - A Material for All Length Scales", Advanced Materials, VCH Verlagsgesellschaft, Weinheim, DE, vol. 12, no.14, July 19, 2000, pgs. 1071-1078, XP-000959392.
WPF	AN		Deckman H.W. et al.: "Macromolecular Self-Organized Assemblies", American Vacuum Society, J. Vac. Sci. Technol., B 6(1), Jan./Feb. 1988, pgs. 333-336.

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## U.S. PATENT DOCUMENTS

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AO						
AP						
AQ						
AR						

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO
AS					

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

WPF	AT	Burmeister et al.: "From Mesoscopic to Nanoscopic Surface Structures: Lithography with Colloid Monolayers", Advanced Materials, vol. 10, no. 6, 1998, pgs. 495-497.
WPF	AU	Yang et al.: "Hierarchically Ordered Oxides", Science, vol. 282, December 18, 1998, pgs. 2244-2246.
WPF	AV	Lin et al.: "Entropically Driven Colloidal Crystallization on Patterned Surfaces", The American Physical Society, Physical Review Letters, vol. 85, no. 8, August 21, 2000, pgs. 1770-1773.
WPF	AW	Hayward et al.: "Electrophoretic Assembly of Colloidal Crystals with Optically Tunable Micropatterns", Macmillan Magazines Ltd., Nature, vol. 404, March 2, 2000, pgs. 56-58.
WPF	AX	Chen et al.: "Selective Self-Organization of Colloids on Patterned Polyelectrolyte Templates", Langmuir, vol. 16, no. 20, 2000 American Chemical Society, September 8, 2000, pgs. 7825-7834.
WPF	AY	Yin et al.: "A Self-Assembly Approach to the Formulation of Asymmetric Dimers from Monodispersed Spherical Colloids", J. Am. Chem. Soc., vol. 123, 2001 American Chemical Society, January 9, 2001, pgs. 771-772.
WPF	AZ	Lu et al.: "A Self-Assembly Approach to the Fabrication of Patterned, Two-Dimensional Arrays of Microlenses of Organic Polymers", Advanced Materials, vol. 13, no. 1, January 5, 2001, pgs. 34-37.
WPF	BA	Yin et al.: "Assembly of Monodispersed Spherical Colloids into One-Dimensional Aggregates Characterized by Well-Controlled Structures and Lengths", Journal of Chemistry Materials Communication, The Royal Society of Chemistry, March 2001, pgs. 987-989.
WPF	BB	Yang et al.: "Patterning Porous Oxides Within Microchannel Networks", Advanced Materials, vol. 13, no. 6, March 2001, pgs. 427-431.

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	BC						
	BD						
	BE						
	BF						

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							YES	NO
	BG							

**OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

WPF	BI	Jiang et al.: "Single-Crystal Colloidal Multilayers of Controlled Thickness", American Chemical Society, Chem. Mater., vol. 11, 1999, pgs. 2132-2140.
WPF	BJ	Jiang et al.: "The Fabrication and Bandgap Engineering of Photonic Multilayers", Advanced Materials, vol. 13, No. 6, March 16, 2001, pgs. 389-393.
WPF	BK	Park et al.: "Crystallization of Mesoscale Particles Over Large Areas", Advanced Materials, vol. 10, no. 13, 1998, pgs. 1028-1031.
WPF	BL	Blaaderen et al.: "Template-directed Colloidal Crystallization", Nature, vol. 385, January 23, 1997, pgs. 321-324.
WPF	BM	Dimitrov et al.: "Continuous Convective Assembling of Fine Particles into Two-Dimensional Arrays on Solid Surfaces", Langmuir, vol. 12, 1996, pgs. 1303-1311.

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